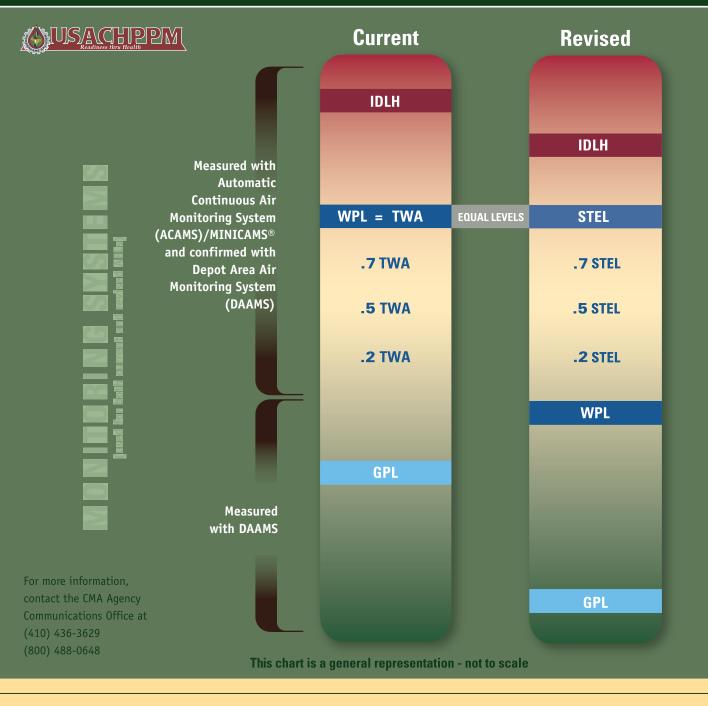


Current vs. revised airborne exposure limits

U.S. Army Chemical Materials Agency working in partnership with U.S. Army Center for Health Promotion and Preventive Medicine



IDLH

(Immediately dangerous to life or health)

 Level at which an unprotected worker could escape within 30 minutes without experiencing escape-impairing or irreversible health effects

STEL

(Short-term exposure limit)

- Limit established by Centers for Disease Control and Prevention (CDC)
- Value same as current worker population limit (WPL) - workers take usual protective action when this level is reached
- Steps are taken to minimize exposure/medical evaluation when reached

WPL

(Worker population limit)

- The level an unprotected worker can operate in safely for an eight-hour workday over a working lifetime
- Revised WPL: when exceeded, take corrective action before STEL is reached
- Exceeding revised WPL does not require medical evaluation

TWA

(Time weighted average)

GPL

(General population limit)

Maximum concentration to which members of the general population can be exposed continuously without adverse health effects